Morgan Maness

**Homework 5 Report**

For this project, I took in an equation in the form of a string. I took that string and solved it, put it in postfix and prefix form, and put it in fully parenthesized form. I did it by first converting it to postfix form, then converting it into a linked list. With that I was able to manipulate the equation to get it in every other form I needed. My program is unable to take equations with parenthesize or assignments in it. It can only take simple equations. Also, I was unable to implement the part of the code where it is able to handle more than one equation and solve them separately. I checked the input to ensure it was in the proper form (had a semicolon at the end) and that it didn’t have any chars that were not numbers or operators. For testing my code, I used many different equations of varying complexities to ensure that my code worked for every possible equation.